

Shezhukova, M.
STUDY OF THE PRODUCTS OBTAINED BY THE
ACTION OF CHLORINE ON VARIOUS BUTYLENES.
[1963] 52p 42refs
Order from OTS, SLA, or ETC \$5.60 TT-64-10278
Trans. of (Russkoe Fiziko-Khimicheskoe Obshchestvo.
Zhurnal) 1884, v. 16, p. 478-511.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-10278

I. Shezhukova, M.

Office of Technical Services

Smirnov, F. V.
THE ADDITION OF HYPOCHLOROUS ACID TO
ALLENE HYDROCARBONS, L [1961] 15p. 11 refs.
Order from ES \$13.00

Trans. [Zhurnal Obshchei Khimii (USSR) 1903] v. 35,
p. 854-872.

DESCRIPTORS: *Allenenes, *Hypochlorous acid,
Chemical reactions.

(Unannounced)

61-25130

- I. Smirnov, F. V.
- II. Stux, Erica, Akron, Ohio

184183

Office of Technical Services

Volhonskii, E.

THE EQUILIBRIUM OF TWO SUBSTANCES IN A
MIXED BINARY SOLVENT. VIII. SYSTEM
 $\text{BaSO}_4 - \text{H}_2\text{SO}_4 - \text{H}_2\text{O}$. [1952] 22p. (figs. omitted)
6 refs.

Available on loan from SLA

63-10404

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1909,
v. 41, p. 1763-1771 and 1910, v. 42, p. 1180-1194.

DESCRIPTORS: *Chemical equilibrium, Solvents,
*Barium compounds, Sulfates, *Sulfuric acid,
Water, Reaction kinetics.

(Chemistry--Physical, TT, v. 9, no. 7)

63-10404

I. Volhonskii, E.
II. Title: System..

Office of Technical Services

Arbuzov, A. Ye. and Dunin, A. A.
THE ACTION OF HALOGEN-SUBSTITUTED FATTY
ACID ESTERS ON THE ESTERS OF PHOSPHOROUS
ACID. [1961] [8]p. 2 refs.
Order from OTS or SLA \$1.10

61-16118

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1914, v. 46
[no. 2] p. 295-302.

DESCRIPTORS: *Fatty acid esters, *Phosphorus
compounds, Esters, Chemical reactions, *Halides.

(Unannounced)

61-16118

I. Arbuzov, A. Ye.
II. Dunin, A. A.

184024

Office of Technical Services

Determination. Classification and Evaluation of
Rubbers, by I. I. Ostromislenskiy, 20 p.

RUSSIAN, per, Zhur Obshchey Khimii, 19⁶⁵₆₆,
Vol XLVII, pp 1374-1401.

SLA 59-10697

Sci
Jan 60
Vol 2, No 5

104,590

On Two New Rubber Constants: "Elasticity Point"
and "Dead Temperature", by I. I. Ostromislenskii,
I. M. Kalbasinskaya, 30 pp.

RUSSIAN, per, Zhur Obshch Khim USSR, Vol XLVII,
1915, pp 1401-1441.

SLA 59-10675

Sci
Dec 59
Vol 2, No 4

103,124

New Methods of Obtaining Erythrene, by I. S. I.
Ostromislenskiy, 17 pp.

RUSSIAN, per, Zhur Obshchey Khim USSR, Vol XLVII.
1915, pp 1472-1494.

SLA 59-1067⁷

Sci - Chem
Dec 59
Vol 2, No 4

102, 758

On Vulcanization of Synthetic Rubbers, by I. I.
Ostromislenskiy, 11 pp.

RUSSIAN, per, Zhur Obshch Khim USSR, Vol XLVII,
1915, pp 1441-1453.

SLA 59-10676

Sci
Dec 59
Vol 2, No 4

103,117

On the Condensation of a Mixture of Acetic Aldehyde
and Ethyl Alcohol into Erythrene, by I. E. Ostromin-
skiy, S. S. Klebasinskiy, 19 pp.

RUSSIAN, per, Zhur Obshch Khim. Vol XLVII. 1915.
pp 1509-1528.

SLA 59-10680

Sci
Dec 59
Vol 2, No 5

103, 518

On the Condensation of Alcohols and Aldehydes in
Presence of Water-Eliminating Substances and on
the Mechanism of This Process, by I. I. Ostromislenskiy, 9 pp.

RUSSIAN, per, Zhur Goshchey Khim SSSR, Vol XLVII,
1915, pp 1494-1506.

SLA 59-10678

Sci - Chem
Dec 59
Vol 2, No 4

102, 759

Ostromyslenskii, I. I. and Rabinovich, P. N.
NORMAL PROPYL OR ISOPROPYL ALCOHOL AND
ACETALDEHYDE: A NEW METHOD OF PREPARA-
TION OF 1,3-PENTADIENE. Pt. 2 of Condensation
of Alcohols with Aldehydes. [1961] 2p. 1 ref.
Order from OTS or SLA \$1.10

61-18136

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1915,
v. 47, p. 1507-1509.
Another trans. is available from LC or SLA mi\$1.80,
ph\$1.80 as 59-10679 [1958] 2p.

DESCRIPTORS: Alcohols, Condensation, Aldehydes,
Chemical reactions, Pentadienes.

For abstract see Technical Translations 2: 405, 1959.

(Unannounced)

61-18136

I. Ostromyslenskii, I. I.
II. Rabinovich, P. N.
III. Title: New ...
IV. Title: Condensation ...

Office of Technical Services

On the Polymerization of Isoprene, Divinyl and
Dimethylethylene Into Rubber or Into Its
Homologues, by I. Ostromislenskiy, 33 pp.

RUSSIAN, per, Zhur Obshch Khim USSR, Vol XLVIII,
1916, pp 1071-1114.

SLA 59-10759

Sci
Dec 59
Vol 2, No 4

103,123

Chichibabin, A. E. and Bukhol'ts, L. A.
γ-AMINONICOTINE, II. [1962] 7p.
Order from K-H \$8.75

K-H 5398-a

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1920,
v. 50, p. 548-552.

DESCRIPTORS: *Amines, *Nicotine.

(Unannounced)

62-17885

I. Chichibabin, A. E.
II. Bukhol'ts, L. A.
III. K-H-5398-a
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Formation of Hexampten Upon Action of Phosphorous
Pentaculfide on Alcohol, By P. B. Pishchinskaya, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol LVI, 1925,
pp 11-14.

LC or RIA 59-10068

Sci + Chemistry,
Feb 59

81,555

1.80

Kolosovskii, N. A. and Udovenko, V. V.
HEAT CAPACITY OF SATURATED VAPORS AT
THE BOILING POINT, II. [1961] 7p. 11 refs.
Order from OTS or SLA \$1.10 61-18143

Trans. of Zhurnal Obshchei Khimii (USSR) 1931,
v. 1, p. 255-262.

DESCRIPTORS: Vapors, Thermodynamics, Heat
tolerance, Boiling.

(Unannounced)

61-18143

I. Kolosovskii, N. A.
II. Udovenko, V. V.

Office of Technical Services

Decomposition of Ortho Esters of Monosilane
on Heating Under Pressure and Splitting Out of the
Free Silicon, by D. N. Dolgov, Yu. N. Vol'nov.
RUSSIAN, per, Zhur Obshchei Khimii, Vol I, I,
No 2, 1931, pp 330-339.
SLA TT 64-30152

May 67 325,053

Arsinosulphides of the Aliphatic and Aromatic
Series, by A. R. Kremov, A. J. Berlin.

RUSSIAN, per, Zhur Obshch Khim, Vol I, No 3/4,
1931, pp 411-.

DSIR LLIJ M.1860
(loan)

Sci - Chem

Oct 60

128,909

Calcination of Milk of Lime of High Concentration
for Production of Chlorates, 4 pp.

RUSSIAN, per, Khim Obshchei Khim, Vol VII, 1930,
pp 2039-2042.

S.L.A. Tr No R-325

Sci - Chemistry - inorganic
Apr 57

46,875

Dolgov, B. and Volnov, Yu.
HYDROGENATION AND REARRANGEMENT OF THE
DERIVATIVES OF MONO-SILANE. REPT. 2 on
Research in the Field of Silico-Organic Compounds.
[1963] 21p. 18 refs.
Order from OTS or SLA \$2.60

63-16803

Trans. of Zhurnal Obshchei Khimii (USSR) 1931,
v. 1, p. 91-104.

DESCRIPTORS: "Silanes, *Molecular structure,
Benzenes, Alcohols, Phenyl radicals, Phenols, Cya-
nates, Oils, Pressure, Hydrogenation.

(Chemistry--Organic, T, v. 10, no. 8)

63-16803

I. Dolgov, B.
II. Volnov, Yu.
III. Title: Research ...

Office of Technical Services

Mercurio-Organic Derivatives of Benzoic Acid, by
A. N. Nesmerianov, L. G. Makarova, 50 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol I, No 5, 1931,
pp 598-615.

CIA/PDD/X-860

USER

Scientific - Chemistry

2800

Jun 53 CTS

Lozovoi, A. V.
THE THERMIC POLYMERIZATION OF ACETYLENE
IN THE PRESENCE OF ZINC CHLORIDE. [1962] 21p.
30 refs.

Order from OTS or SLA \$2.60

63-10420

Trans. of Zhurnal Obshchei Khimii (USSR) 1931, v. 1,
no. 6, p. 717-728.

DESCRIPTORS: *Acetylenes, *Zinc compounds,
Chlorides, *Polymerization, Heat treatment, Benzenes,
Reaction kinetics, Catalysts, Tests, Chemical analysis,
Pyrolysis.

(Chemistry--Physical, TT, v. 10, no. 1)

63-10420

I. Lozovoi, A. V.

Office of Technical Services

Diffusion of Gases Under Pressure, by V. V.
Ipat'ev, V. I. Pikhomirov, 12 pp.

RUSSIAN, par, Zhur Obshchei Khim, Vol I, 1931,
pp 736-739.

AEC Tr-4307

Sci - Chem
21 Feb 61

140,951

Excerpt from Methanol Catalyzers, by V. A. Plotnikov,
K. N. Ivanov, 2 pp.

per. Ivan
RUSSIAN, Obshchei Khim, Vol I, 1931, pp 826-844.

SLA/R-2628

Sci

Apr 59

84,890

The Question of Allotropy of Phosphorus, II. The
Rate of Conversion of White Phosphorus into Red
Phosphorus, by A. A. Vvedenskiy, A. V. Frost, 15 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol I, 1931, pp
917-925.

SLA R-2817

Sci

Jul 59

13

92, 358

The Oxidation of Phosphorous Acid by Water in the Presence of Colloidal Metals, by A. A. Vvedenskiy, A. V. Frost, 7 pp.

RUSSIAN, per, Zhur Obsheh Khim, Vol I, 1931, pp 1108-1113.

SLA/R-2587

Sci
Apr 59

84,439

Drozdov, N. S.
CONDENSATION OF FORMALDEHYDE WITH
AROMATIC AMINES. [1963] 6p.

Order from ATS \$10.75

ATS-25Q70R

Trans. of Zhurnal Obshch. Khim. (USSR) 1931,
v. 1, no. 10, p. 1171-1176.

DESCRIPTORS: *Amines, *Formaldehyde, Condensation
reactions.

(Chemistry--Organic, TT, v. 10, no. 8)

63-17758

I. Drozdov, N. S.
II. ATS-25Q70R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Determination of the Heat of Combustion of
Halogenated Organic Compounds, by I. A. Kablukov,
F. M. Perel'man, UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol 1, 1931,
pp 1249-1257

Assoc Tech Ser,
RJ-180

18,100

Scientific - Chemistry

Price: \$14.50 (\$2.45)

Akhumov, E. I. and Vasil'ev, B. B.
OVER HET ONDERZOEK VAN WATERIGE OPLOS-
SINGEN BIJ VERHOOGDE TEMPERATUREN.
2. HET EVENWICHT IN HET QUATERNAIRE SYS-
TEEM KCl-NaCl-MgCl₂-H₂O (Aqueous Solutions at
High Temperatures. II. Equilibrium in the Quaternair
System KCl-NaCl-MgCl₂-H₂O). 12p. MTW1: 23.

(text in Dutch).

Order from OTS or ETC \$1.85

61-17687

Trans. of Zhurnal Obshchei Khimii (USSR) 1932, v. 2,
p. 282-289.

DESCRIPTORS: *Salts, Solutions, Chemical equilibri-
um, *Phase studies, Sodium compounds, Potassium
compounds, Chlorides, Magnesium compounds.

61-17687

- I. Akhumov, E. I.
- II. Vasil'ev, B. B.
- III. MTWL-23
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Esters of Pyrophosphorous, Hypophosphoric, and
Pyrophosphoric Acids. III. Diethyl Phosphorous
acid Chloride and Preparation of the Ethyl Ester
of Pyrophosphorous Acid Therefrom, by A. E.
Arbuzov, B. A. Arbuzov, 6 pp.

RUSSIAN, per, Zhurnal Obshchei Khimii, Vol II,
No 4, 5, 1932, pp 371-375.

Sci Tr Center

RT 3595

36,146

Chemistry

Jun 56 CTS

Oxidation of Phosphine with Oxygen and Air ^B
in the Presence of Hydrogen, by I. N. ~~Push-~~
makin, A. A. Vvedenskiy and A. V. Frost, 7
pp.

RUSSIAN, per, Zhur Obshch Khim, Vol II, 1932
pp 415-420.

SLA R-2287

Sci

Aug 58

72,120

The Rate of Solution of Oxygen in Water and in
Solutions of Substance that React with Oxygen and
the Effect of Liquid Surface Filming on Said Solubility,
by S. A. Voznesenskiy, L. A. Klyucharev, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol II, No 6, 1932,
pp 506-514.

Assoc Tech Serv-RJ 646

Sci
Apr 59

84,438

Preparation of Phosphonium Compounds With an
Asymmetric Phosphorus Atom, by G.I. Kamai.

RUSSIAN, per, Izvestia Khim, Vol II, No 6, 1932,
pp 524-525.

MLL RPS 2226 (Loan)

Sci - Chem
Feb 64

248,407

Chemical Equilibria of Reactions Between Hydrocarbons, II. Constant of Equilibrium of Reaction $2C_6H_6$ Goes Reversibly Into $C_6H_5C_6H_5$ Plus H_2 , by A. A. Vvedenskiy, A. V. Frost, 18 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol II, 1932, pp 542-552.

ABC 3326

Sci - Chem

74, 175

Oct 58

2-Amino-Resorcinol and Its Derivatives, by M. V.
Likhoshesterov, V. E. Zhabotinskaya, 8 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol II, 1932,
pp 761-769.

A.E.R.E. Tr 11/3/5/351

Scientific - Chemistry

CTS/DEX

See Russian Let 59/32 7291

Isomerisation of α -Pinene Into an Aliphatic
Terpene. Communication I., by V. A. Arbusov, 11 pp.

RUSSIAN, par, Zhur Obshchei Khim, Vol III, No 1,
1933, pp 21-27.

Sci Tr Center
RT - 3598

Sci - Physics

Aug 1956

37,171

Electrochemical Reduction of Pyridine, by
N. S. Drozdov, 11 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. III, 1963, 72-8
pp 351-359.

ABC-tr-6097

Sci- Chem
Jan 64

248,359

Oxidation of Nitric Oxide to Nitrogen Pentoxide by
Means of Ozone in the Silent Electric Discharge,
by N. I. Kobzarev, M. Tsukin, E. ~~Shchegolev~~, 8 p.
Frants

RUSSIAN, per, Zhur Obshchei Khim, Vol III, 1933,
pp 534-539.

SLA R-2968

Sci

Jul 59

92, 343

Korotkov, P. M. and Sokolov, N. K.
CONDUCTIVITY OF POTASSIUM AND SODIUM HY-
DROXIDE SOLUTIONS AT ELEVATED TEMPERA-
TURES. [1964] 11p (tables figs omitted)
Order from OTS, SLA, or ETC \$1.60 TT-64-10763

Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3,
p. 670-678.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10763

I. Korotkov, P. M.
II. Sokolov, N. K.

Office of Technical Services

Lebedev, S. V.
PREPARATION OF BUTADIENE DIRECTLY FROM
ALCOHOL. [1961] 25p. 29 refs.
Order from OTS or SLA \$2.60 61-18060

Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3,
p. 698-717.

DESCRIPTORS: Butadienes, Synthesis, Alcohols.

(Unannounced)

61-18060

I. Lebedev, S. V.

Office of Technical Services

TT-61-16675

Dintses, A. I. and Frost, A. V.
KINETICS AND MECHANISM OF DECOMPOSITION OF
HYDROCARBONS. I. THERMAL DECOMPOSITION OF
HEXANE UNDER ATMOSPHERIC PRESSURE. 12p
27refs

Order from OTS, SLA, or ETC \$1.60 TT-61-16675

Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3,
p. 747-758.

I. Dintses, A. I.
II. Frost, A. V.
III. Title: Thermal ...

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Lebedev, S. V. and Livshitz, I. A.
INVESTIGATION IN THE DOMAIN OF POLYMERIZA-
TION. ARTICLE 14. DEPOLYMERIZATION OF TRI-
ISOBUTYLENE. 23p. MTWL: 174.
Order from OTS or ETC \$1.91

61-17840

Trans. of Zhurnal Obshchei Khimii (USSR) 1934,
v. 4, no. 1, p. 13-22.

DESCRIPTORS: *Butenes, *Polymers, Polymerization.

OTS-64-10903

61-17840

- I. Lebedev, S. V.
- II. Livshitz, I. A.
- III. MTWL-174
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Lebedev, S. V. and Slobodin, Ya. M.
ISOMERIZATION OF HYDROCARBONS OF THE
DIALLYL SERIES BY SILICATES. [1961] 7p 18 refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16615

Trans. of Zhurnal Obshchei Khimii (USSR) 1934,
v. 4 [no. 1] p. 23-30.

Another trans. is available from SLA as
SLA-R-3964, 8p.

DESCRIPTORS: *Dienes, Molecular isomerism,
*Butanes, Bromination, Grignard reactions, *Butenes,
*Butadienes, Synthesis (Chemistry), Polymerization,
*Silicates, Allyl radicals.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16615

I. Lebedev, S. V.
II. Slobodin, Ya. M.
III. SLA-R-3964

Office of Technical Services

Solubility of Hydrogen in Water Under Pressure at
High Temperatures, by V. Ipatev, R Jr, V. P. Teodorovich,
7 pp.

RUSSIAN, Zhur Obshch Khim, Vol IV, No 3, 1934,
pp 395-399.

CIA/RDD/X-1292

Scientific - Chemistry
CTS/DEX

11,120

Slobodin, Ya. M.
ISOMERIZATION OF ALLENE HYDROCARBONS BY
SILICATES. I. ISOMERIZATION OF UNSYMMETRI-
CAL DIMETHYLLALLENE UNDER THE ACTION OF
FLORIDIN. [1961] 6p. 18 refs.
Order from OTS or SLA \$1.10

61-18131

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
p. 778-782.

DESCRIPTORS: Isomeric transitions, Allenes,
Hydrocarbons, Silicates, Methyl radicals, Fluorides

(Unannounced)

61-18131

I. Title: Floridin
I. Slobodin, Ya. M.
II. Title: Isomerization ...

Office of Technical Services

Thermal Decomposition of Cyclohexanes, bt N. D.
Zelinskiy, B. M. Mikhailov, et al. 9 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 4,
1934, pp 856-865.
OTS-TT-61-16969
SLA

Sci/Chemistry
Jul 66

306,001

Nametkin, S. S. and Zvorykina, V. K.
NEUTRAL PRODUCTS OF OXIDATION OF PETRO-
LEUM HYDROCARBONS BY OXYGEN OF THE AIR.
[1961] 10p. 9 refs.

Order from OTS or SLA \$1.10

61-18184

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
p. 906-914

DESCRIPTORS: Petroleum, Hydrocarbons, Oxidation,
Oxygen

(Unannounced)

61-18184

1. Nametkin, S. S.
2. Zvorykina, V. K.

Office of Technical Services

Drozdov, N. S. and Chernysov, O. M.
THE REACTION OF SOME SECONDARY AMINES
WITH EPICHLOROHYDRIN. [1963] 10p. 19 refs.
Order from OTS or SLA \$1.10 63-14558

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1934,
v. 4, no. 7, p. 969-974.

DESCRIPTORS: Chemical reactions, *Amines,
*Halohydrins, *Chlorides, Ethyl radicals, Methyl
radicals, Piperidines, Propanols, Ammonia, Poly-
merization.

At the condensation of diethyl--and dimethylamine and
piperidine with epichlorohydrin one obtains the cor-
responding chloropropanol together with a small amount
of products which contain the chlorine ion. These
latter ones continue to be formed if the reaction mass
is allowed to stand for a longer period of time. Under
(Chemistry--Organic, TT, v. 10, no. 4) (over)

63-14558

I. Drozdov, N. S.
II. Chernysov, O. M.

Office of Technical Services

Vvedenskiĭ, A. A. and Ivannikov, P. Ya.
CHEMICAL EQUILIBRIA IN REACTIONS OF HYDRO-
CARBONS. VII. EQUILIBRIA IN THE REACTIONS
 $C_6H_{12} + C_6H_{12} + H_2$ AND $C_6H_{12} + C_6H_{12} + H_2$. 5p 11 refs
Order from OTS, SLA, or EIC \$1.10 TT-61-16990

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4
[no. 7] p. 975-978.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16990

I. Vvedenskiĭ, A. A.
II. Ivannikov, P. Ya.
III. Title: Equilibria ...

Office of Technical Services

Shornigin, P. P. and Kreshkov, A. P.
OXIDATION OF HYDROXY ACIDS OBTAINED BY
OXIDATION OF PARAFFIN WAX WITH AIR [1961]
Mp. 3 refs
Order from LC or SLA m\$2.40, pb\$3.30 61-10795
Trans. of Zhurnal Prikladnoi Khimii (USSR) [1961] 4,
p. 988-994.

61-10795

1. Synthetic waxes- Oxidation
 2. Organic acids- Chemical reactions
- I. Shornigin, P. P.
 - II. Kreshkov, A. P.

10/15

Office of Technical Services

(Unannounced)

Kolosovskii, N. A., and Udovenko, V. V.
HEAT CAPACITY OF LIQUIDS, II [1961] 6p
Order from OTS, SLA or ETC \$1.10 TT-61-16817

Trans. of Zhurnal Obshchei Khimii (USSR)
1934, v. 4, p. 1027-1033.

DESCRIPTORS: *Thermochemistry, Liquids,
Hydrocarbons, Halogen compounds, Oxygen compounds,
Nitrogen compounds, Equations.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-61-16817

I. Kolosovskii, N. A.
II. Udovenko, V. V.

Office of Technical Services

Likhoshesterov, M. V., Petrov, A. A., and Alekseev, S. V.
FORMATION OF PHENOLS IN CATALYTIC DECOMPOSITION OF ETHYL ALCOHOL BY THE METHOD OF S. V. LEBEDEV. [1961] 7p 26 refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16830

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4, p. 1274-1278.

DESCRIPTORS: *Phenols, Ethyl radicals, *Cresols, Synthesis (Chemistry), *Ethanol, Catalysis, Degradation, *Phenolic plastics.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16830

- I. Title: Phlorol
- I. Likhoshesterov, M. V.
- II. Petrov, A. A.
- III. Alekseev, S. V.
- IV. Lebedev, S. V.

Office of Technical Services

Kazaryan, L.
A NEW WAY OF USING CALCIUM CARBIDE
(PRELIMINARY REPORT). 6 Dec 51, 10p. 6 refs.
Order from OTS or SLA \$1.10 62-20150

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
no. 10, p. 1347-1352.

DESCRIPTORS: *Calcium compounds, *Carbides,
Acetylenes, Alcohols, Chemical reactions.

(Chemistry--Organic, TT, v. 10, no. 2)

62-20150

I. Kazaryan, L.

Office of Technical Services

Borisov, P. P., Shachnazarova, E. M., and
Margolis, E. E.
THERMAL DECOMPOSITION OF HYDROCARBONS,
[1962] 7p. 10 refs.
Order from OTS or SLA \$1.10

63-10370

Trans. of Zhurnal Obshchei Khimii (USSR) 1934, v. 4,
no. 10, p. 1385-1389.

DESCRIPTORS: *Hydrocarbons, *Pyrolysis,
Decomposition, Chemical analysis.

(Chemistry--Physical, TT, v. 9, no. 12)

63-10370

I. Borisov, P. P.
II. Shachnazarova, E. M.
III. Margolis, E. E.

Office of Technical Services

Slobodin, Ya. M.
ISOMERIZATION OF ALLENE HYDROCARBONS
WITH SILICATES. II. ISOMERIZATION OF
METHYLALLENE UNDER THE ACTION OF
FLORIDIN. [1961] 6p. 12 refs.
Order from ODS or SLA \$1.10

61-18130

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 48-52.

DESCRIPTORS: Hydrocarbons, Isomeric transitions,
Allenes, Methyl radicals, Fluorides, Silicates

(Unannounced)

61-18130

I. Title: Floridin
I. Slobodin, Ya. M.
II. Title: Isomerization of
Methylallene, ...

Office of Technical Services

Tsukervanik, I.
CONDENSATION OF ALCOHOLS WITH AROMATIC
HYDROCARBONS IN THE PRESENCE OF ANHY-
DROUS ALUMINUM CHLORIDE. I. CONDENSATION
OF TERTIARY ALIPHATIC ALCOHOLS WITH,
BENZENE AND TOLUENE. [1961] 4p. 19 refs.
Order from OTS or SLA \$1.10 61-18116

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 117-120.

DESCRIPTORS: Alcohols, Hydrocarbons, Benzenes,
Toluenes, Aluminum compounds, Chlorides, Con-
densation reactions.

(Unannounced)

61-18116

- I. Tsukervanik, I.
- II. Title: Condensation of
Tertiary...

Office of Technical Services

Investigation of the Function of Catalytic Factors
on Thermal Cracking of Methane, by N. I. Kobozev,
~~XXXI~~ L. I. Kashtanov, S. M. Kobrin, 13 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V, 1935, pp
143-148.

Assoc Tech Serv

Sci

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K-H-1338 F

73,576

A Study of Chain Processes in the Reaction between Sulfur Dioxide and Ozone. E. Stoichio, Henry in the Oxidation of Sulfur Dioxide with Ozone in Aqueous Solution, by S. S. Vasil'ev, M.V. Prolov, L. L. Mashtanov, T. L. Kastorskaya, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V, 1935, pp 149-154.

SLA/R-2539

Sci
Apr 59

84,436

Equilibrium in the System Sodium Oxide-
Hydrofluoric Acid-Water, by N. D. Nagor-
skaya and A. V. Novoselova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V,
1935, pp 182-184.

SLA R-2265

Sci

Aug 58

72,140

Krauze, M. V., Nemtsov, M. S., and Soskina, E. A.
BESTUDERING VAN DE PYROGENETISCHE CONDENSATIE-
REACTIES VAN KOOLWATERSTOFFEN.
II. KINETICA DER POLYMERISATIE, EN ONTLEDING VAN
AETHYLEEN (Pyrogenetic Reactions of Polymerization
of Hydrocarbons. II. Kinetics of Polymerization
and Decomposition of Ethylene) 21p. 39 refs.
MTWL: 137. (text in Dutch).
Order from OTS or ETC \$1.85

61-17721

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 343-355.

DESCRIPTORS: *Ethylenes, *Polymerization, *Decomposition,
Pyrolysis, Chemical reactions.

61-17721

- I. Krauze, M. V.
- II. Nemtsov, M. S.
- III. Soskina, E. A.
- IV. MTWL-137
- V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Kireev, V. A., Kaplan, S. I. and Romanchuk, M. A.
SOLUBILITY OF ETHYLENE, PROPENE AND
BUTENE IN SOME SOLVENTS AT TEMPERATURES
OF FROM -20 to +40° AND PRESSURES BELOW
ONE ATMOSPHERE, V. 7p 4rads
Order from OTS, SLA, or ETC \$1.10 TT-61-16833

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 444-449.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16833

I. Kireev, V. A.
II. Kaplan, S. I.
III. Romanchuk, M. A.

Office of Technical Services

Polymerization Ability of Substituted Styrenes and
Their Structure, by P. P. Shorygin, N. V. /Shorygina,
12 pp UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol V, No 4,
1935, pp 555-561.

Sci Tr Center
RT-1012

Scientific - Chemistry

15,352

Tsukervanik, I. and Tokareva, K.
CONDENSATION OF ALCOHOLS WITH AROMATIC
HYDROCARBONS IN THE PRESENCE OF ALUMINUM
CHLORIDE. II. CONDENSATION OF SECONDARY
ALCOHOLS WITH BENZENE AND TOLUENE. [1961]
3p. 4 refs.

Order from OTS or SLA \$1.10

61-18115

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 764-766.

DESCRIPTORS: Condensation reactions, Alcohols, Hy-
drocarbons, Aluminum compounds, Chlorides, Ben-
zenes, Toluenes.

(Unannounced)

61-18115

I. Tsukervanik, I.
II. Tokareva, K.
III. Title: Condensation ...

Office of Technical Services

Of Equilibrium in Liquid Mixtures and Solutions.
II. Solubility of Phosgene Vapors in Certain
Solvents at Pressures Below Atmospheric, by
V. A. Kireyev, S. E. Kaplan, K. Vasneva, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VI, 1935,
pp 799-805.

SLA Tr R-563

Sci - Chem
Jul 57

49,935

Moor, V. G., Strigaleva, N. V., and Shilyaeva, L. V.
KINETICS AND MECHANISM OF THERMAL CON-
VERSIONS OF UNSATURATED HYDROCARBONS:
THERMAL POLYMERIZATION OF 1,3-BUTADIENE
UNDER ATMOSPHERIC PRESSURE. [1961] 12p 15refs.
Order from OTS, SLA, or BTC \$1.60 TT-61-16818

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 818-829.

DESCRIPTORS: *Butadienes, Polymerization, Reaction
kinetics, *Hydrocarbons, Pyrolysis, Decomposition,
Temperature.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16818

- I. Moor, V. G.
- II. Strigaleva, N. V.
- III. Shilyaeva, L. V.
- IV. Title: Thermal...

Office of Technical Services

Tarasenkov, D. N., Grigorovich, A. N., and
Bogoslovskaya, A. V.
ON METHODS OF MEASURING THE VAPOR PRES-
SURE OF METAL SALTS. [1963] [19]p. (figs.
omitted) 12 refs.
Order from OTS or SLA \$1.60 63-14305

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 924-933;

DESCRIPTORS: *Vapor pressure, *Lead compounds,
*Sulfides, *Chlorides, *Copper compounds, Metallic
compounds, Salts, Measurement, Fluid flow, Statistical
analysis, Boiling.

(Chemistry--Physical, TT, v. 10, no. 7)

63-14305

I. Tarasenkov, D. N.
II. Grigorovich, A. N.
III. Boroslovskaya, A. V.

Office of Technical Services

Dimorisation of Butadiene, by Ye. M. Elchodin
UNCLASSIFIED

RUSSIAN, Zhurnal Obshchei Khimii, 1935, Vol 5,
pp 1415-1420.

Sci Mus Lib No 52/2731

Scientific - Chemistry

OTS TT-61-18046

25 October 1952

Viscosity and Electrical Conductivity in the KCl-LiCl
System of Fused Salts, by S. V. Garpachev, A. G. Stromberg,
V. N. Podchainova, 18 pp. ^h _{K7}

RUSSIAN, no per. Zhurn Obsh Khim, Vol ^V _h 11, No 11, 1935,
pp 1517-1526.

STS TT-65-20746
Sci Tr Center RT-775

11,005

Scientific - Chemistry

K-H-2867-0

Levedev, S. V. and Borgman, Yu. A.
RESEARCH ON POLYMERIZATION XIV. LOW TEM-
PERATURE POLYMERIZATION OF ISOBUTENE.
[1961] 10p. 10 refs.
Order from OTS or SLA \$1.10

61-16616

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 1595-1606.

DESCRIPTORS: *Butenes, *Polymerization, Polymers,
Temperature.

(Unannounced)

61-16616

I. Levedev, S. V.
II. Borgman, Yu. A.
III. Title: Low ...

184031

Office of Technical Services

Conditions Influencing Condensation of Acetone
Molecules, by P. P. Surmin, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol V, No 12,
1935, pp 1639-1641.

SLA 59-10783

Sci - Chem
Sep 59
Vol 2, No 2

98,012

Gorin, Yu. A. and Nelmark, O. M.
MECHANISM OF CONTACT CONVERSION OF ALCO-
HOLS TO DIOLEFIN HYDROCARBONS BY THE
METHOD OF S. V. LEBEDEV. I. CATALYTIC
CONVERSION OF PRIMARY PROPYL ALCOHOL TO
DIOLEFINS. 9p 16rnf
Order from OTS, SLA, or ETC \$1.10 TT-61-16610

Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5,
p. 1772-1780.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16610

I. Gorin, Yu. A.
II. Nelmark, O. M.
III. Title: Catalytic ...

Office of Technical Services

Lebedev, S. V. and Serglenko, S. R.
DIMERIZATION OF 1,3-BUTADIENE. [1961] 14p
43refs
Order from OTS, SLA, or ETC \$1.60 TT-61-16602

Condensed trans. of Zhurnal Obshchei Khimii (USSR)
1935, v. 5, p. 1839-1858.

DESCRIPTORS: *Butadienes, Polymerization, *Cyclo-
hexenes, Vinyl radicals, *Bromides, Synthesis (Chem-
istry), Molecular structure, Crystal structure

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16602

- I. Title: S-Vinyl cyclohexene
- I. Lebedev, S. V.
- II. Serglenko, S. R.

Office of Technical Services

Action of Some Silicates on Hydrocarbons Con-
taining a Tertiary Butyl Radical in Their Molecule,
by S.V. Lebedev, N.A. Kudryavtsev. 6 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 5, 1935,
pp 1859-1865.
SLA TT-61-18045

Sci/Chemistry
Jul 66

305,991

Dintses, A. I. and Zherko, A. V.
KINETICS AND MECHANISM OF DECOMPOSITION OF
HYDROCARBONS. III. DEPENDENCE OF THE
DECOMPOSITION VELOCITY OF NORMAL HEXANE
AND NORMAL OCTANE UPON THE EXTENT OF THE
REACTION. 9p 17refs

Order from OTS, SLA, or ETC \$1.10 TT-61-16679

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6
[no. 1] p. 68-74.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16679

I. Dintses, A. I.
II. Zherko, A. V.
III. Title: Dependence ...

Office of Technical Services

Kireev, V. A. and Nikiforova, V. A.
DETERMINATION OF THE VAPOR PRESSURE OF
PROPYLENE DICHLORIDE, ETHYLENE CHLORO-
HYDRIN AND PROPYLENE CHLOROHYDRIN. [1963]
2p. 1 ref.
Order from OTS or SLA \$1.10

63-16036

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1936,
v. 6 [no. 1] p. 75-77.

DESCRIPTORS: *Propenes, Chlorides, *Ethylenes,
*Halohydrins, *Vapor pressure, Determination,
Tables.

(Chemistry--Physical, TT, v. 10, no. 6)

63-16036

1. Title: Ethylene
chlorohydrin
2. Title: Propylene chloride
3. Title: Propylene
chlorohydrins

- I. Kireev, V. A.
- II. Nikiforova, V. A.

Office of Technical Services

Kireev, V. A. and Romanchuk, M. A.
OVER HET EVENWICHT IN VLOEISTOFMENGSELS
EN OPLOSSINGEN. IX. BEPALING VAN DE OPLOS-
BAARHEID VAN ACETYLEEN EN VINYLCHLORIDE
IN DIVERSE OPLOSMIDDELEN BIJ 0°C. EN BIJ EEN
DRUK LAGER DAN 1 ATMOSFEER. (Equilibria in
Liquid Mixtures and Solutions. IX. Determination of
the Solubilities of Acetylene and Vinyl Chloride in
Some Solvents at 0°C. and Pressures Below One
Atmosphere). 8p. 2 refs. MTWL: 141. (text in Dutch)
Order from OTS or ETC \$1.55 61-17711

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
p. 78-80.

DESCRIPTORS: *Acetylenes, *Vinylchlorides,
Solubility.

61-17711

I. Kireev, V. A.
II. Romanchuk, M. A.
III. MTWL-141
IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Tsyurikh, L. G., Efremova, E. M., Bartashev, B. A.
and Yappu, Yu. G.

VINYLACETYLENE AS A PRIMARY PRODUCT OF
POLYMERIZATION OF ACETYLENE UNDER DIFFERENT
CONDITIONS. [1961] 7p 10refs

Order from OTS, SLA, or ETC \$1.10 TT-61-16812

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
p. 197-202.

DESCRIPTORS: *Acetylenes, *Polymerization, Vinyl
radicals, Catalysts, Chemical reactions, Distillation.

(Engineering--Chemical, TT, v. 11, no. 3)

TT-61-16812

- I. Tsyurikh, L. G.
- II. Efremova, E. M.
- III. Bartashev, B. A.
- IV. Yappu, Yu. G.

Office of Technical Services

The Question of the Existence of the Complex
 $\text{MnSO}_4 \cdot x\text{SO}_2$, by L. I. Kashtanov, T. A. Gulyanskaya,
6 pr.

RUSSIAN, per, Zhur Obshchei Khim, No 1936, pp
227-231.

SIA R-2929

Sci

Jul 59

92, 341

Formation of Intermediate Compounds in the
Oxidation of Sulfur Dioxide with Oxygen
in the Presence of Catalysts and Catalyst
Poisons, by L. I. Kashtanov and V. P. Ruizhov,
10 pp.

RUSSIAN, per, Zhur Obshch Khim, vol VI, 1936,
pp 549-554.

SLA K-2522

Sci

Aug 58

72,835

Relation Between the Structure and Optical and
Photographic Properties of Cyazine Dyes. II.
Thiocyazines With Substitutes Containing
Sulphur, by A. I. Kipryanov, Z. P. ~~XX~~ Sytnikov,
E. D. Sych, 15 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 4,
1936, pp. 576-583.

26,688

Sci Trans Center
RT 2352

Scientific - Chemistry

Sep 55 CTS/DEX

The Effect of Catalysts and of Anticatalysts on
the Kinetics and Mechanism of the Oxidation of
Sulfur Dioxide with Ozone, by L. I. Kashtanov,
V. P. Ruizhov, 35 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol VI, 1936,
pp 732-747.

SLA/R-2523

Sci
Apr 59

84, 870

Kizhner, N. and Krasova, V.
COMPARATIVE STUDY OF XYLENE FROM PE-
TROLEUM AND FROM COAL TAR. [1962] 11p.
6 refs.

Order from OTS or SLA \$1.60 62-14608

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
p. 748-756.

DESCRIPTORS: *Xylene-, *Petroleum, *Coal tar.

(Unannounced)

62-14608

I. Kizhner, N.
II. Krasova, V.

Office of Technical Services

Alkylation of Aniline in the Presence of Mixed Catalysts. III. Catalytic Obtaining of Mono-methyl- and monethylaniline, by N. I. Shulkin, A. M. Bithova, A. P. Ermilina, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 5, 1936, pp 774-779.

Sci Tr Center
RT-1436

18,879

Scientific - Chemistry

Mechanism of Autoxidation of Hydrocarbons in the
Liquid Phase, by N. N. Mikheylova, M. B. Kolman,
25 pp.

RUSSIAN, per, Zhur Obshch Khim (USSR), Vol 73,
No 6, 1936, pp 821-838.

Assoc Tech Serv
16H26N

ATS/RJ-1615

Sci - Chem

May 59

UES, V. I, No 6

86,314

Zal'kind, Yu. S. and Zonis, S. A.
 α -VINYLNAPHTHALENE AND SOME DERIVATIVES
OF IT. [1961] 10p. 30 refs.
Order from OTS or SLA \$1.10

61-18151

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6
p. 988-995 (certain sections summarized).

DESCRIPTORS: Vinyl radicals. Naphthalenes.

(Unannounced)

61-18151

I. Zal'kind, Yu. S.
II. Zonis, S. A.

Office of Technical Services

Investigation of Reduction of Aromatic Nitro
Compounds, II, by V. O. Lukashevich, 21 pp

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 8,
1936, pp 1064-1073.

CIA/PDD/X-1616

Scientific - Chemistry Apr 55 CTS

22,836

Oxidation of Phosphorus in Mixtures with Wood
Charcoal, by V. N. Osipov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, 1936,
pp 1096-1100.

SLA R-9213

Sci

Jul 59

92, 356

Formation of Intermediate Compounds in the Oxidation
of Sulfur Dioxide Solutions with Ozone, by L. I.
Kashtenov, I. N. Oleschuk, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. VI, 1936, pp
1112-1115.

SLA R-2928

Sci

Jul 59

92,601

Akhumov, E. I. and Ezerova, E. A.
ELECTROLYSIS OF SODIUM CHLORIDE IN LIQUID
AMMONIA. III. INVESTIGATION OF SOLUBILITY IN
THE TERNARY SYSTEM $\text{NaCl-NH}_4\text{Cl-NH}_3$. [1963]
[17]p. 20 refs.

Order from OTS or SLA \$1.60

63-18044

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
no. 10, p. 1418-1429.

Another trans. is available from LC or SLA ml\$2.40,
ph\$3.30 as 60-17714, TVA-3717, 13 May 58, 19p.

DESCRIPTORS: *Phase studies, *Electrochemistry,
*Sodium compounds, *Ammonium compounds, Chlo-
rides, *Ammonia, Solubility, Thermodynamics,
Electrolysis, Platinum electrodes.

(Chemistry--Physical, TT, v. 10, no. 6)

63-18044

I. Akhumov, E. I.
II. Ezerova, E. A.

Office of Technical Services

Zhur Obshch Khim Vol 6, page 1430-2 (1936)

The So-Called Katz Effect. by I. Tananaev.

AEC Trans (avail. Brookhaven)